

Proposal Full View

Applicant Information

Organization Name Root Creek Water District - *

Tax ID **271397419**

Proposal Name Madera Region IWMP Implementation Grant Application *

Proposal Objective The proposal objective is to fund four projects that will benefit the local groundwater basins, reduce overdraft, reduce groundwater pumping and provide flood damage protection to Madera County *

Budget

Other Contribution	<input type="text" value="\$0.00"/>
Local Contribution	<input type="text" value="\$0.00"/>
Federal Contribution	<input type="text" value="\$0.00"/>
Inkind Contribution	<input type="text" value="\$4,618,517.00"/>
Amount Requested	<input type="text" value="\$9,413,947.00"/> *
Total Project Cost	<input type="text" value="\$14,032,464.00"/> *

Geographic Information

Latitude * DD(+/-) MM SS

Longitude * DD(+/-) MM SS

The Latitude/Longitude is given at the Madera Resources Management Agency Office. The actual project locations are in various locations within Madera County. Each project location is given the individual project tab information

Longitude/Latitude Clarification Location Madera County

County Madera *

Ground Water Basin San Joaquin Valley-Madera

Hydrologic Region San Joaquin

Watershed San Joaquin, Fresno and Chowchilla Rivers

Legislative Information

Assembly District 18th Assembly District *

Senate District 12th Senate District *

US Congressional District District 25 (CA) *

Project Information

Project Benefits Information

Project Name Ash Slough Arundo Eradication and Sand Rem

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Flood Protection	4521	Increase flood flow capacity in Ash Slough
Secondary	Ecosystem: Riparian Habitat	90	Eradicate invasive species which destroys habitat for wildlife and chokes out native plants
Tertiary	Sediment Removal-Amount removed	293304	sediment removal from Ash Slough

Budget

Other Contribution	<input type="text" value="1800"/>
Local Contribution	<input type="text" value="0"/>

Federal Contribution	0
Inkind Contribution	976702
Amount Requested	1653855
Total Project Cost	2632357
Geographic Information	
Latitude DD(+/-)	37 MM 7 SS 22
Longitude DD(+/-)	-120 MM 15 SS 36
Longitude/Latitude Clarification	Location Madera County
County	Madera
Ground Water Basin	San Joaquin Valley-Chowchilla
Hydrologic Region	San Joaquin
WaterShed	San Joaquin Valley Floor

Legislative Information

Assembly District	18th Assembly District
Senate District	12th Senate District
US Congressional District	District 25 (CA)

Project Information**Project Benefits Information**

Project Name

Cottonwood, Dry, Berenda Creek Arundo Eradi

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Flood Protection	4400	Increase flood flows in Cottonwood, Dry and Berenda Creeks
Secondary	Sediment Removal-Amount removed	25000	sediment removed from creek channels
Tertiary	Water Use Efficiency - Conservation-Water Supply Enhancement	13.58	Decrease excessive evapotranspiration from Arundo infestation
Quaternary	Ecosystem: Riparian Habitat	300	Eradicate invasive species infestation which chokes out native plants and wildlife

Budget

Other Contribution	0
Local Contribution	0
Federal Contribution	0
Inkind Contribution	719120
Amount Requested	1789024
Total Project Cost	2508144

Geographic Information

Latitude DD(+/-)	37 MM 0 SS 1
Longitude DD(+/-)	-120 MM 8 SS 55
Longitude/Latitude Clarification	Location Madera County
County	Madera
Ground Water Basin	San Joaquin Valley-Madera
Hydrologic Region	San Joaquin
WaterShed	San Joaquin Valley floor

Legislative Information

Assembly District	18th Assembly District
Senate District	12th Senate District
US Congressional District	District 25 (CA)

Project Information**Project Benefits Information**

Project Name

Sierra National Forest Fuels Reduction Project

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Ecosystem: Upland Habitat	3000	Thinning of plantations is performed to hasten the recovery of the area to old growth characteristics
Secondary	Flood Protection	10620	The project will reduce the chance of post-wildfire debris flows and flooding by removing fuels and allowing fire fighters to combat wildfire more effectively and safely
Tertiary	Forest Lands	3000	Fuel reduction projects affect more than just the activity area. Fuel reductions, including in plantations, protect forest lands where the fire would have spread if not for the fuel reduction activities.

Budget

Other Contribution

0

Local Contribution

0

Federal Contribution

0

Inkind Contribution

1547695

Amount Requested

1512568

Total Project Cost

3060263

Geographic Information

Latitude DD(+/-)

37 MM 13 SS 45

Longitude DD(+/-)

-119 MM 30 SS 14

Longitude/Latitude Clarification

Location

Eastern Madera County

County

Madera

Ground Water Basin

Hydrologic Region

San Joaquin

WaterShed

San Joaquin River

Legislative Information

Assembly District

25th Assembly District

Senate District

14th Senate District

US Congressional District

District 19 (CA)

Project Information**Project Benefits Information**

Project Name

Root Creek In-Lieu Groundwater Recharge Project

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Flood Protection	1050	Project will utilize diverted flood flows
Primary	Groundwater Management-Water level measurements taken	0	increase groundwater level in local basin
Primary	Groundwater Management-Other	6100	reduce overdraft (ac-ft/yr)
Primary	Water Quality: Constituents -- Salinity	0	reduce salinity in GW
Primary	Other-New Water Supply Facilities	5.40	New water supply facility to local basin (6100 ac-ft/yr)
Primary	Conveyance-Water Supply Enhancement	6100	Additional water to local basin
Primary	Water Storage -- Conjunctive-Other	6100	
Primary	Water Storage -- Groundwater-Water Supply Enhancement	6100	additional water to local basin
Primary	Water Storage -- Groundwater-Water Quality Improvement	0	
Primary	Water Storage -- Surface-Water Supply Enhancement	6100	Imported Surface Water

Budget

Other Contribution	0
Local Contribution	0
Federal Contribution	0
Inkind Contribution	1375000
Amount Requested	4125000
Total Project Cost	5500000

Geographic Information

Latitude DD(+/-)	36	MM 56	SS 16
Longitude DD(+/-)	-119	MM 49	SS 51
Longitude/Latitude Clarification	The Latitude/Longitude is given at the Madera Irrigation District Lateral 6.2 proposed project diversion lo		

County	Mader
Ground Water Basin	San Jo
Hydrologic Region	San Jo
WaterShed	San Jo

Legislative Information

Assembly District	18th Assembly District
Senate District	12th Senate District
US Congressional District	District 25 (CA)

Section : Applicant Information and Question's Tab**APPLICANT INFORMATION AND QUESTION'S TAB****Q1. PROPOSAL DESCRIPTION**

Provide a brief abstract of the Proposal, including a listing of individual project titles or types. Please note which projects, if any, directly address a critical water supply or water quality issue for a DAC or Native American Tribal communities.

The Madera Region proposal includes four projects. (For purposes of consistency with the budget, the overall grant administration is being considered as a fifth project.) The four implementation projects are: Ash Slough Arundo Eradication and Sand Removal Project - Eradication of Arundo Donax, an invasive bamboo, from five miles of Ash Slough adjacent to the City of Chowchilla and removal of 2-3 feet of sand in channel to restore flood flows and reduce flooding hazards, restore habitat, and reduce excessive evapotranspiration thus preserving water for groundwater recharge. Cottonwood, Dry, and Berenda Creek Arundo Eradication and Sand Removal - Eradication of Arundo Donax, an invasive bamboo and removal of 2-3 feet of sand in 32 miles of creeks used for agricultural water deliveries to restore flood flows and reduce flooding hazards, restore habitat, and reduce excessive evapotranspiration thus preserving water for groundwater recharge and agricultural use. Root Creek Water District In-Lieu Groundwater Recharge - Construction of 48-inch pipeline to deliver surface water to 3,200 acres of irrigated land currently utilizing pumped groundwater to reverse groundwater overdraft Sierra National Forest Fuel Reduction Project - Fuel reduction activities in areas strategically targeted to reduce the risk of high severity wildfires thus preventing flood hazards and preserving the natural filtering and slow water release functions of a healthy forest ecosystem None of these projects directly address a critical water supply or water quality issue for a DAC or Native American Tribal community.

Q2. PROJECT DIRECTOR

Provide the name and details (including email) of the person responsible for executing the grant agreement for the applicant. Persons that are subcontractors to be paid by the grant cannot be listed as the Project Director.

Philip Pierre, Root Creek Water District, President 1396 W Herndon Avenue, Suite 108 Fresno, CA 93711 (559) 269-4776 philpierre1@earthlink.net

Q3. PROJECT MANAGEMENT

Provide the name and contact information (including email) of the Project Manager from the applicant agency or organization that will be the day-to-day contact on this application.

Brian Ehlers, Root Creek WD Assistant Manager-Engineer 2505 Alluvial Avenue Clovis, CA 93611 (559) 326-1100 Behlers@ppeng.com

Q4. APPLICANT INFORMATION

Provide the agency name, address, city, state, and zip code of the applicant submitting the application.

Philip Pierre, Root Creek Water District, President 1396 W Herndon Avenue, Suite 108 Fresno, CA 93711

Q5. ADDITIONAL INFORAMTION

Provide the funding area(s) in which projects are located.

http://www.water.ca.gov/irwm/integregio_fundingarea.cfm

• The Ash Slough Arundo Eradication and Sand Removal Project is located near Chowchilla, CA, owned by Madera County and funded through in kind contributions • The Cottonwood Creek, Dry Creek and Berenda Creek Arundo Eradication and Sediment Removal Projects are located within the boundaries of Madera Irrigation District, owned by Madera Irrigation District and funded through in kind contributions • The Root Creek Water District, In-Lieu Groundwater Recharge Project is located in Madera County, near the community of Madera Ranchos and the project pipeline will be owned by Root Creek Water District. The project is being funded by irrigation water users and property assessments. • The Fuel Reduction for Forest Health and Fire Safety Project is located in the Sierra National Forest and is to be completed on property owned by the California Department of Forestry. The project is to be funded through federally appropriated dollars.

Q6. RESPONSIBLE REGIONAL WATER QUALITY CONTROL BOARD(S)

List the name of the Regional Water Quality Control Board (RWQCB) in which your proposal is located. For a region that extends beyond more than one RWQCB boundary, list the name of each Board.
http://www.waterboards.ca.gov/waterboards_map.shtml

The Central Valley Regional Water Quality Control Board is the local responsible board.

Q7. ELIGIBILITY

Proposition 84 requires a minimum funding match of 25% of total project cost unless there is a DAC project included in the proposal. Requirements for DAC funding match reductions are included in Exhibit G of this PSP. If your matching funds are less than 25%, please explain.

The projects will match a minimum 25% of their total requested grant amount. The average match is 33%.

Q8. ELIGIBILITY

Does the application represent a single application from an IRWM Region approved in the RAP (see Section II.B, Table 1)? If yes, include the name of the IRWM Region. If not, explain.

Yes the application is from the Madera Region, which was conditionally approved, in the San Joaquin Funding Area.

Q9. ELIGIBILITY

Is the applicant a local agency or non-profit organization as defined in Appendix B of the Grant Guidelines?

a) ☒ Yes

b) ☐ No

Q10. ELIGIBILITY

List the urban water suppliers that will receive funding from the proposed grant. Those listed must submit self certification of compliance with CWC §525 et seq. and AB 1420. If there are none, so indicate and you do not have to answer Q11 and Q12.

There are no urban water suppliers applying for funding under this application.

Q11. ELIGIBILITY

Have all of the urban water suppliers, listed in Q10 above, submitted complete 2005 Urban Water Management Plans (UWMP) to DWR? Have those plans been verified as complete by DWR? If not, explain and provide the anticipated date for having a complete UWMP. Will all of the urban water suppliers listed in Q10, along with any additional urban water suppliers that meet the urban water supplier definition threshold for the first time, submit updated 2010 UWMPs, consistent with the 2010 UWMP Guidebook and verified as complete by DWR, before the execution of a grant agreement? If not, explain.

not applicable

Q12. ELIGIBILITY

Have any urban water suppliers listed in Q10 recently submitted AB 1420 compliance tables and supporting documentation to DWR for a different grant program within the past three months? If so, please list the urban water supplier and the grant program. An urban water supplier must submit AB 1420 compliance documentation to DWR. If the urban water supplier has not submitted AB 1420 documentation, or that documentation was determined to be incomplete by DWR, the urban water supplier's projects will not be considered eligible for grant funding. Refer to Section IIIB of the Guidelines for additional information.

not applicable

Q13. ELIGIBILITY

Does the Proposal include any groundwater management or groundwater recharge projects or projects with potential groundwater impacts? If so, provide the name(s) of the project(s) and list the agency(ies) that will implement the project(s).

Yes, this application contains three projects that have positive groundwater impacts. The Ash Slough Arundo Eradication and Sand Removal project and the Cottonwood Creek, Dry Creek and Berenda Creek Arundo Eradication and Sediment Removal projects will remove vegetation from stream beds that inhibit water flow and reduce capacities within the canals. The Root Creek Water District In-Lieu Groundwater Recharge Project will construct a diversion structure and pipelines that will allow imported surface water to be used rather than pumped ground water for crop irrigation. In addition to irrigation, excess surface water will be used to over-irrigate crops in order to introduce additional surface water to the local basin for recharge purposes.

Q14. ELIGIBILITY

For the agency(ies) listed in Q13, how has the agency complied with CWC §10753 regarding GWMPs, as described in Section III.B of the Grant Guidelines?

The three agencies with projects that benefit groundwater have GWMPs

Q15. ELIGIBILITY

Does the IRWM region receive water supplied from the Sacramento-San Joaquin Delta? Please answer yes or no. If no, please explain. If yes, please answer Question 16.

No.

Q16. ELIGIBILITY

Does the existing IRWM Plan help reduce dependence on the Sacramento-San Joaquin Delta for water supply? Please answer yes or no. If no, please explain. If yes, please complete Attachment 15.

No.

Q17. ELIGIBILITY

If an update to the plan takes place in the near future, will the updated plan continue to reduce dependence on the Sacramento-San Joaquin Delta for water supply? Please answer yes or no. If no, please explain. If yes, please complete Attachment 15.

No.

Section : Application Attachments Tab

APPLICATION ATTACHMENTS TAB

A1. ATTACHMENT 1

Upload Authorization and Eligibility documentation here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).
Last Uploaded Attachments: Att1_IG1_Eligible_1of1.pdf

Upload additional Authorization and Eligibility documentation here.

Upload additional Authorization and Eligibility documentation here.

Upload additional Authorization and Eligibility documentation here.

Upload additional Authorization and Eligibility documentation here.

A2. ATTACHMENT 2

Upload Proof of Formal Adoption documentation here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).
Last Uploaded Attachments: Att2_IG1_Adopt_1of1.pdf

Upload additional Proof of Formal Adoption documentation here.

Upload additional Proof of Formal Adoption documentation here.

Upload additional Proof of Formal Adoption documentation here.

Upload additional Proof of Formal Adoption documentation here.

A3. ATTACHMENT 3

Upload the Work Plan here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).
Last Uploaded Attachments: Att3_IG1_Workplan_1of5.pdf

Upload additional work plan components here.

Last Uploaded Attachments: Att3_IG1_Workplan_2of5.pdf

Upload additional work plan components here.

Last Uploaded Attachments: Att3_IG1_Workplan_3of5.pdf

Upload additional work plan components here.

Last Uploaded Attachments: Att3_IG1_Workplan_4of5.pdf

Upload additional work plan components here.

Last Uploaded Attachments: Att3_IG1_Workplan_5of5.pdf

A4. ATTACHMENT 4

Upload the Budget here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).
Last Uploaded Attachments: Att4_IG1_Budget_1of5.pdf

Upload additional budget components here.

Last Uploaded Attachments: Att4_IG1_Budget_2of5.pdf

Upload additional budget components here.

Last Uploaded Attachments: Att4_IG1_Budget_3of5.pdf

Upload additional budget components here.

Last Uploaded Attachments: Att4_IG1_Budget_4of5.pdf

Upload additional budget components here.

Last Uploaded Attachments: Att4_IG1_Budget_5of5.pdf

A5. ATTACHMENT 5

Upload the Schedule here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).
Last Uploaded Attachments: Att5_IG1_Schedule_1of5.pdf

Upload additional schedule components here.

Last Uploaded Attachments: Att5_IG1_Schedule_2of5.pdf

Upload additional schedule components here.

Last Uploaded Attachments: Att5_IG1_Schedule_3of5.pdf

Upload additional schedule components here.

Last Uploaded Attachments: Att5_IG1_Schedule_4of5.pdf

Upload additional schedule components here.

Last Uploaded Attachments: Att5_IG1_Schedule_5of5.pdf

A6. ATTACHMENT 6

Upload Monitoring, Assessment, and Performance Measures here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att6_IG1_Measures_1of5.pdf

Upload additional Monitoring, Assessment, and Performance Measures here.

Last Uploaded Attachments: Att6_IG1_Measures_2of5.pdf

Upload additional Monitoring, Assessment, and Performance Measures here.

Last Uploaded Attachments: Att6_IG1_Measures_3of5.pdf

Upload additional Monitoring, Assessment, and Performance Measures here.

Last Uploaded Attachments: Att6_IG1_Measures_4of5.pdf

Upload additional Monitoring, Assessment, and Performance Measures here.

Last Uploaded Attachments: Att6_IG1_Measures_5of5.pdf

A7. ATTACHMENT 7

Upload Economic Analysis - Water Supply Costs and Benefits here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att7_IG1_WSBen_1of5.pdf

Upload additional Economic Analysis - Water Supply Costs and Benefits documentation here.

Last Uploaded Attachments: Att7_IG1_WSBen_2of5.pdf

Upload additional Economic Analysis - Water Supply Costs and Benefits documentation here.

Last Uploaded Attachments: Att7_IG1_WSBen_3of5.pdf

Upload additional Economic Analysis - Water Supply Costs and Benefits documentation here.

Last Uploaded Attachments: Att7_IG1_WSBen_4of5.pdf

Upload additional Economic Analysis - Water Supply Costs and Benefits documentation here.

Last Uploaded Attachments: Att7_IG1_WSBen_5of5.pdf

A8. ATTACHMENT 8

Upload Water Quality and Other Expected Benefits here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att8_IG1_WQBen_1of5.pdf

Upload additional Water Quality and Other Expected Benefits documentation here.

Last Uploaded Attachments: Att8_IG1_WQBen_2of5.pdf

Upload additional Water Quality and Other Expected Benefits documentation here.

Last Uploaded Attachments: Att8_IG1_WQBen_3of5.pdf

Upload additional Water Quality and Other Expected Benefits documentation here.

Last Uploaded Attachments: Att8_IG1_WQBen_4of5.pdf

Upload additional Water Quality and Other Expected Benefits documentation here.

Last Uploaded Attachments: Att8_IG1_WQBen_5of5.pdf

Section : Application Attachments Tab (cont)**APPLICATION ATTACHMENTS TAB (CONT)****A9. ATTACHMENT 9**

Upload Economic Analysis - Flood Damage Reduction Costs and Benefits here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att9_IG1_DReduc_1of5.pdf

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.

Last Uploaded Attachments: Att9_IG1_DReduc_2of5.pdf

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.

Last Uploaded Attachments: Att9_IG1_DReduc_3of5.pdf

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.

Last Uploaded Attachments: Att9_IG1_DReduc_4of5.pdf

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.

Last Uploaded Attachments: Att9_IG1_DReduc_5of5.pdf

A10. ATTACHMENT 10

Upload Costs and Benefits Summary here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att10_IG1_BSummary_1of1.pdf

Upload additional Costs and Benefits Summary documentation here.

Upload additional Costs and Benefits Summary documentation here.

Upload additional Costs and Benefits Summary documentation here.

Upload additional Costs and Benefits Summary documentation here.

A11. ATTACHMENT 11

Upload Program Preference documentation here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att11_IG1_Preference_1of1.pdf

Upload additional Program Preference documentation here.

Upload additional Program Preference documentation here.

Upload additional Program Preference documentation here.

Upload additional Program Preference documentation here.

A12. ATTACHMENT 12

Upload Disadvantaged Community Assistance documentation here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att12_IG1_DAC_1of1.pdf

Upload additional Disadvantaged Community Assistance documentation here.

Upload additional Disadvantaged Community Assistance documentation here.

Upload additional Disadvantaged Community Assistance documentation here.

Upload additional Disadvantaged Community Assistance documentation here.

A13. ATTACHMENT 13

Upload AB 1420 and Water Meter Compliance documentation here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att13_IG1_Mtr_1of1.pdf

Upload additional AB 1420 and Water Meter Compliance documentation here.

Upload additional AB 1420 and Water Meter Compliance documentation here.

Upload additional AB 1420 and Water Meter Compliance documentation here.

Upload additional AB 1420 and Water Meter Compliance documentation here.

A14. ATTACHMENT 14

Upload Consent Form here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att14_IG1_Consent_1of1.pdf

Upload additional Consent Form documentation here.

Upload additional Consent Form documentation here.

Upload additional Consent Form documentation here.

Upload additional Consent Form documentation here.

A15. ATTACHMENT 15

Upload IRWM Plan - Reduce Delta Water Dependence documentation here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin). For the "AttachmentName" in the naming convention of BMS, use "Delta" for this attachment.

Last Uploaded Attachments: Att15_IG1_DeltaWater_1of1.pdf

Upload additional IRWM Plan - Reduce Delta Water Dependence documentation here.

Upload additional IRWM Plan - Reduce Delta Water Dependence documentation here.

Upload additional IRWM Plan - Reduce Delta Water Dependence documentation here.

Upload additional IRWM Plan - Reduce Delta Water Dependence documentation here.